

**From:** [McClintock, Katie](#)  
**To:** [Matthews, Julie](#)  
**Cc:** [Hedgpeth, Zach](#)  
**Subject:** Re: call with oregon about owens  
**Date:** Thursday, July 5, 2018 6:51:02 AM

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Yes they are going to run aermod. I think it will be done in the next week. The permit writer was going to reach it to Owens to get the stack height and other info they needed for the run right away. There is a Full net station at the airport next door to the facility so it will be very helpful in running the model.

Sent from my iPhone

On Jul 3, 2018, at 3:14 PM, Matthews, Julie <[Matthews.Juliane@epa.gov](mailto:Matthews.Juliane@epa.gov)> wrote:

Thanks Katie- this is encouraging. Can we, or they, do the AirMod with the actual numbers?

I let Allyn know about this a bit earlier today but also told her we weren't sure at all about the numbers yet.

We'll stay tuned.

Have a good 4<sup>th</sup>!

Juliane Matthews, Manager

Office of Regional Counsel, Unit 1

U.S. Environmental Protection Agency- Region 10

1200 Sixth Avenue, Suite 900, ORC -113

Seattle, WA 98101

(206) 553-1169

[matthews.juliane@epa.gov](mailto:matthews.juliane@epa.gov)

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**From:** McClintock, Katie

**Sent:** Tuesday, July 03, 2018 2:26 PM

**To:** Matthews, Julie <[Matthews.Juliane@epa.gov](mailto:Matthews.Juliane@epa.gov)>; Hedgpeth, Zach <[Hedgpeth.Zach@epa.gov](mailto:Hedgpeth.Zach@epa.gov)>

**Subject:** FW: call with oregon about owens

See below for update. We are following up but it looks like the number will be much lower when a real model is run.

Katie

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**From:** Keenan, John

**Sent:** Tuesday, July 03, 2018 2:17 PM

**To:** McClintock, Katie <[McClintock.Katie@epa.gov](mailto:McClintock.Katie@epa.gov)>

**Subject:** RE: call with oregon about owens

Here's what I heard from Phil Allen and George Yun.

The EI Contact (J.R.) gave an emission rate of 226 #/yr of chromium. We don't know where this number came from. George thought it was from the company in response to an info request from ODEQ. They will check on where the # comes from when JR returns. Phil said that they first took that number and put it in the "look up table for the Clean Air Oregon rule" which assumes a 5 m stack and the closest receptor being 10 m

away. This gave a risk in the thousands out of a million. They noted that there is a look up table for a 30 m stack and a 300 m resident which resulted in 125 in a million risk. Phil noted that AerMod could be run using actual stack heights, temperatures and velocities and would result in much, much lower concentrations and associated risks. George said that the draft Permit will require CrVI testing via SW846 Method 0061. We discussed the difficulties of that method at the stack temperatures in the 2008 report. George also said that they have been making Emerald Green wine bottles using iron chromite in the recipe – he did not have % in batch at his fingertips, but thought he had it somewhere in the file. He said that only Furnace D makes green glass. I pointed out that using the 2008 test rate of 0.0042 lb/hr of chromium at 8760 hours/yr would result in about 37 #/yr. We discussed where the 226 #/yr number came from and could not understand how OB or ODEQ got to that number.

John E. Keenan

U.S. EPA

Region 10 (OCE-101)

1200 Sixth Avenue - Ste 151

Seattle, WA 98101

206-553-1817

206-553-1762 (fax)

-----Original Appointment-----

**From:** McClintock, Katie

**Sent:** Tuesday, July 03, 2018 12:14 PM

**To:** Keenan, John

**Subject:** call with oregon about owens

**When:** Tuesday, July 03, 2018 1:00 PM-2:00 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** my office